



Nevada State Health Division

Influenza Surveillance Report

May 6, 2009

Pandemic Influenza

Epidemiology

****On April 30, 2009, the CDC replaced the term “Swine Flu” with “H1N1 Flu”****

Nevada:

Seven cases of swine flu (now known as H1N1 flu)** have been **confirmed**, with no deaths, in Nevada. The number of cases will likely increase. The increase in numbers is due in part to increased surveillance and more testing. A higher case count will result. However, the illness in the H1N1 cases is similar in severity to seasonal flu at this time. This season the non H1N1 flu illness has been relatively mild.

As of 4:00pm PT, May 6, 2009, there are eight **probable** H1N1 flu cases in Nevada. A **probable** case is one that has a positive influenza A test result and was found to be unsubtypeable and is pending laboratory confirmation.

Nevada Cases of H1N1 Flu Infection		
County	Confirmed	Probable
Carson City	2	
Clark	2	7
Washoe	3	1
Other 14 counties	0	0
Total	7	8

Laboratory

The Nevada Public Health Laboratory began a 24/7 schedule on Sunday, April 26, 2009.

As of 11:00am, May 6, 2009, the lab has tested a total of 457 samples since April 26, 2009. Cumulative total results are noted below.

9 influenza A (H1)

35 influenza A (H3)

82 influenza B

7 confirmed cases of H1N1 flu

8 probable H1N1 flu cases pending confirmation results

As of May 6, 2009, test confirmations are being done at the State Laboratory. Therefore confirmations will occur sooner because the transport delay to CDC will be avoided.



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U.S.

According to the CDC, as of 11:00am ET (8:00am PT), May 6, 2009, 642 **cases** of H1N1, including two deaths in Texas, have been confirmed in the 41 **states**, as noted below.

The CDC will cease reporting of cases by individual state and go to aggregate reporting once all 50 states have at least one confirmed case of H1N1.

Alabama (4)	Arizona (48)	California (67)	Colorado (17)	Connecticut (4)
Delaware (33)	Florida (5)	Georgia (3)	Hawaii (3)	Idaho (1)
Illinois (122)	Indiana (15)	Iowa (1)	Kansas (2)	Kentucky (2)*
Louisiana – (7)	Maine (1)	Maryland (4)	Massachusetts (45)	Michigan (8)
Minnesota (1)	Missouri (2)	Nebraska (4)	Nevada (5)	
New Hampshire (2)	New Jersey (7)	New Mexico (3)	New York (97)	N. Carolina (7)
Ohio (5)	Oklahoma (1)	Oregon (15)	Pennsylvania (1)	Rhode Island (2)
S. Carolina (16)	Tennessee (2)	Texas (61)	Utah (1)	Virginia (3)
Washington (9)	Wisconsin (3)			

Source: CDC website at: <http://www.cdc.gov/h1n1flu/>

*One case is resident of Kentucky, but currently hospitalized in Georgia

Worldwide

****On April 29, 2009, the World Health Organization (WHO) raised the pandemic alert level to level 5****

The reason for this increase in alert level is that more countries now have confirmed cases. This does not mean that the disease in infected persons is more severe. To date in the U.S., the pattern of H1N1 cases is showing that the H1N1 cases are similar to seasonal flu in severity.

According to WHO Influenza A (H1N1) update 18, as of 9:00am (PT) May 6, 2009, **23 countries** officially reported **1490 cases** of influenza A/H1N1 infection.

Mexico – (942) with 29 reported deaths

United States – (642) with 1 reported death

Canada (165)	Spain – (73)	United Kingdom – (28)	Germany – (9)
New Zealand – (5)	Italy – (5)	Israel – (4)	France – (5)
El Salvador – (2)	Korea – (2)	Austria – (1)	Colombia – (1)
Costa Rica – (1)	Denmark – (1)	Guatemala – (1)	Hong Kong – (1)
Ireland – (1)	Netherlands – (1)	Portugal – (1)	Sweden – (1)
Switzerland – (1)			

Source: Who website at: http://www.who.int/csr/don/2009_05_06d/en/index.html



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Seasonal Influenza

Nevada

Nevada has 5 reporting regions. Currently (MMWR week 16) we are at “local influenza activity”, with the Carson City/Lyon County/Douglas County region reporting elevated influenza activity. For MMWR week 17, we expect to move from “local” influenza activity to “regional” due to preliminary data analysis.

There are 5 levels of influenza activity as defined by the CDC.

- **No Activity:** No laboratory-confirmed cases of influenza and no reported increase in the number of cases of ILI.
- **Sporadic:** Small numbers of laboratory-confirmed influenza cases or a single laboratory-confirmed influenza outbreak has been reported, but there is no increase in cases of ILI.
- **Local:** Outbreaks of influenza or increases in ILI cases and recent laboratory-confirmed influenza in a single region of the state.
- **Regional:** Outbreaks of influenza or increases in ILI and recent laboratory confirmed influenza in at least two but less than half the regions of the state with recent laboratory evidence of influenza in those regions.
- **Widespread:** Outbreaks of influenza or increases in ILI cases and recent laboratory-confirmed influenza in at least half the regions of the state with recent laboratory evidence of influenza in the state.

Source: CDC website at: <http://www.cdc.gov/flu/weekly/fluactivity.htm>

Below are updated statewide numbers of seasonal influenza cases in **Nevada** for 2009 as of May 4, 2009.

MMWR Week	Week of	Carson	Clark	Washoe	FaR Counties	Totals
18*	5/4/09	0	0	0	0	0
17*	4/27/09	7	11	44	13	75
16	4/20/09	7	2	8	3	20
15	4/13/09	9	9	7	4	29
14	4/6/09	7	19	17	7	50
13	3/30/09	12	16	32	13	73
12	3/23/09	6	8	31	17	62
11	3/16/09	5	5	35	17	62
10	3/9/09	8	19	44	12	83
9	3/2/09	4	7	34	18	63
8	2/23/09	16	15	39	13	83
7	2/16/09	13	20	43	14	90
6	2/9/09	18	6	40	17	81
5	2/2/09	18	13	24	13	68
4	1/26/09	8	10	12	11	41
3	1/19/09	6	1	11	8	26
2	1/12/09	5	2	8	1	16
1	1/5/09	1	1	4	2	8
Totals		150	164	433	183	930

*These numbers are preliminary and subject to change

The number of cases statewide from October 1, 2008 – December 31, 2008 is 42, bringing the total number of cases so far for the 2008-2009 influenza season to 972. Breakdowns for individual FaR counties, as well as for the weeks from Oct-Dec, 2008 are available if needed.



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U.S.

According to ILINet (CDC's influenza syndromic surveillance system), nationwide:

- 0 states reported **widespread** activity
- 9 states reported **regional** activity
- 17 states reported **local** activity
- 22 states reported **sporadic** activity
- 2 states reported **no activity**

According to ILINet, Nevada's ILI rate was 2.3% during week 15. In the "Mountain Region" of the U.S., which includes Nevada, the ILI rate was 1.4 %, which is below the regional baseline of 1.5%. The national ILI rate was 1.3%, which is below the national baseline of 2.4%

****CDC's Influenza Division is in the process of updating their existing surveillance systems in response to the outbreak caused by influenza H1N1 swine virus to provide more timely data. The weekly surveillance report (FluView) for MMWR week 16 (week ending April 25, 2009) will not be posted.****